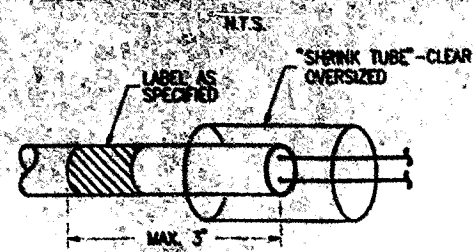


TYPICAL CABLE LABELING METHOD



- APPLY LABEL TO OUTER JACKET OF CABLE
- MAXIMUM OF 3" FROM STRIPPED END AS SHOWN
- DETAIL APPLIES TO ALL CABLE TYPES

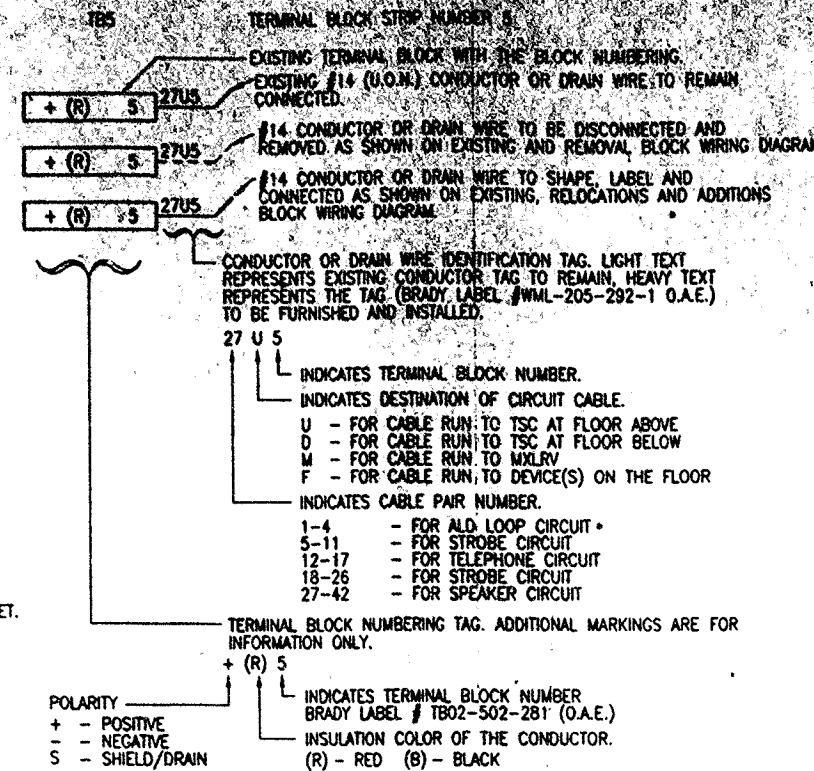
CIRCUIT LEGEND

CIRCUIT DESIGNATION
STR-A OR STR-B
CABLE IDENTIFICATION TAG, LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #MM-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.

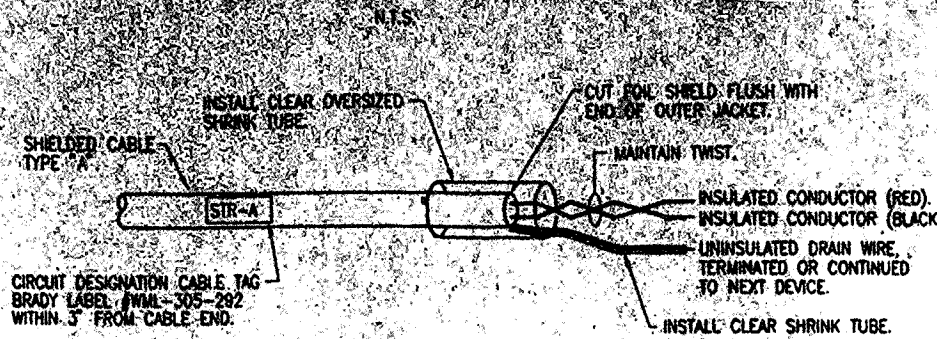
TYPE OF CIRCUIT: STR - STROBE CIRCUIT, SPK - SPEAKER CIRCUIT, ALD - ALD LOOP DEVICE CIRCUIT (EXCEPT SMOKE DETECTOR), TEL - TELEPHONE CIRCUIT, SD - SMOKE DETECTOR CIRCUIT, 12D - CABLE PAIR #12 RUNNING DOWN TO TSC-1/F (FLOOR BELOW), 12U - CABLE PAIR #12 RUNNING UP TO TSC-1/F (FLOOR ABOVE), 12M - CABLE PAIR #12 RUNNING FROM MUXRY (TRANSPONDER).

CIRCUIT NUMBER OR NAME: A TO G - STROBE OR SPEAKER CIRCUIT NUMBER, ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET, PS - CIRCUIT TO PULL STATIONS, ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR, HVAC - CIRCUIT TO HVAC SMOKE DETECTOR, AREA - CIRCUIT TO OPEN AREA SMOKE DETECTOR, INT - INTERFACE CIRCUIT, WPJ - MAINTENANCE PHONE JACK CIRCUIT, WP - WARDEN TELEPHONE CIRCUIT, SJ - STAND PIPE PHONE JACK CIRCUIT

TERMINATION LEGEND EXISTING REMOVAL AND ADDITIONS

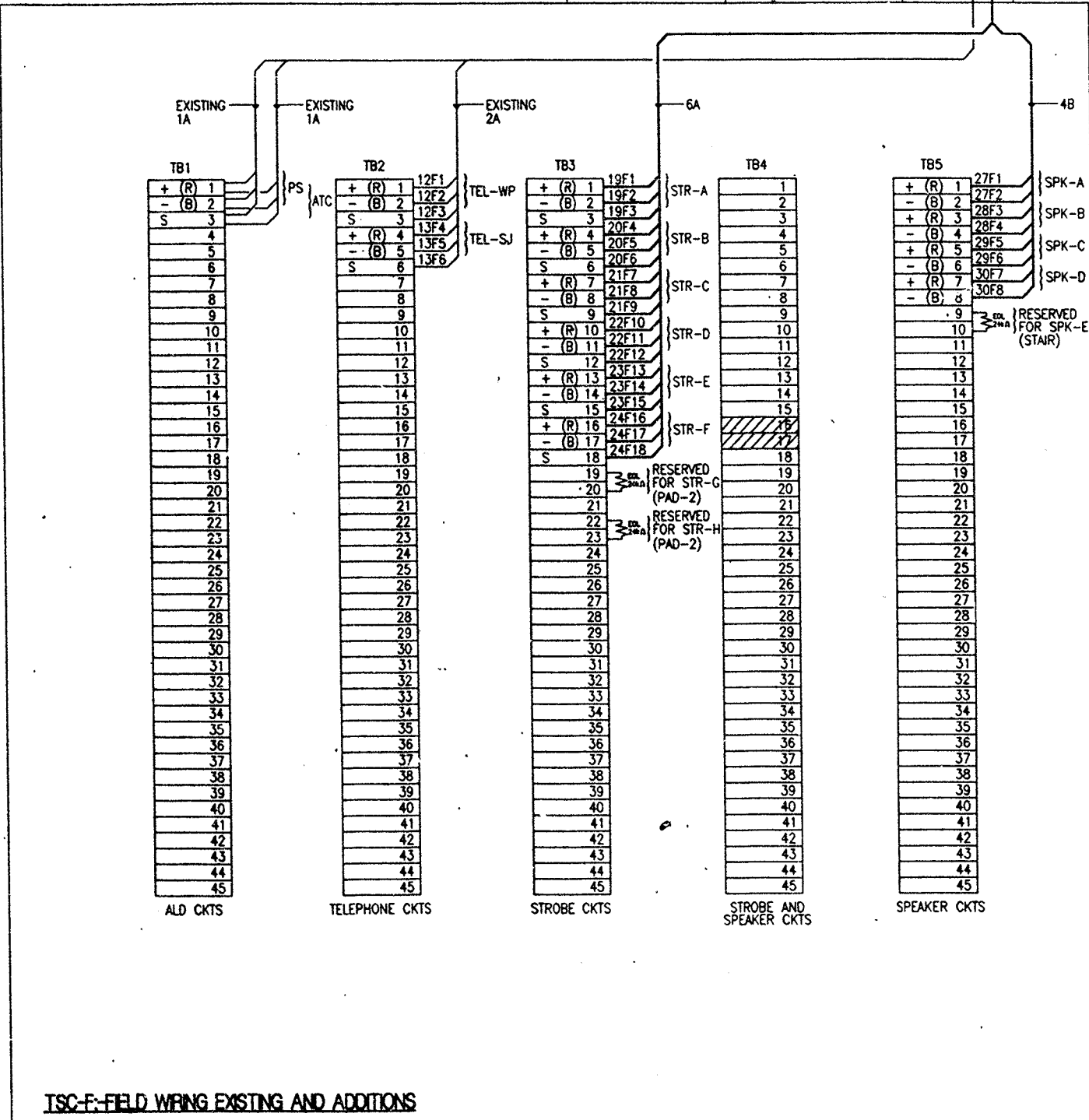
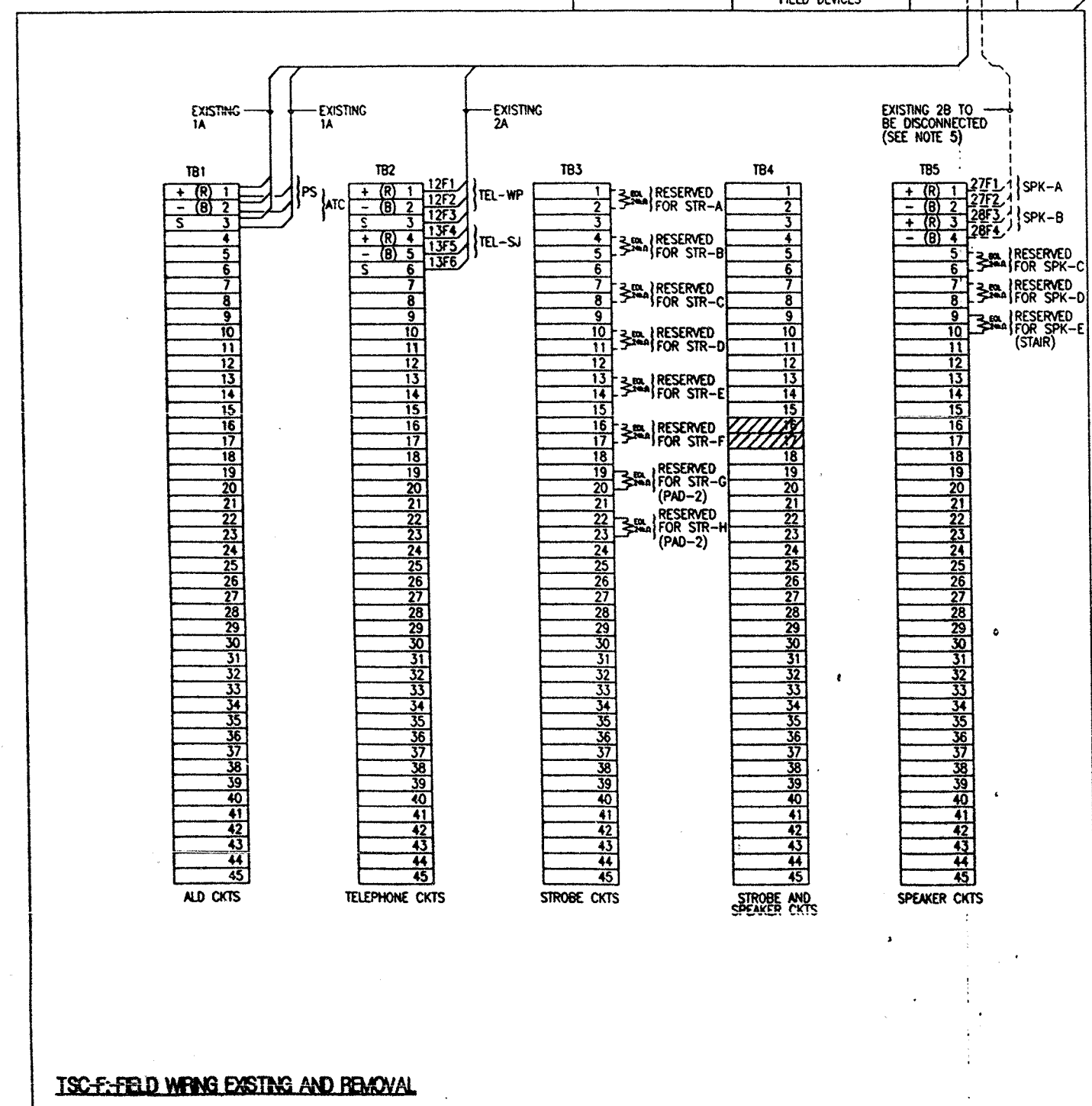


TYPICAL SHIELD/DRAIN INSULATING METHOD 'A'



NOTES

- FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG F-1-2-1
- ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
- ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
- ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- DISCONNECT AND COMPLETELY REMOVE CABLES FROM TSC CABINET. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

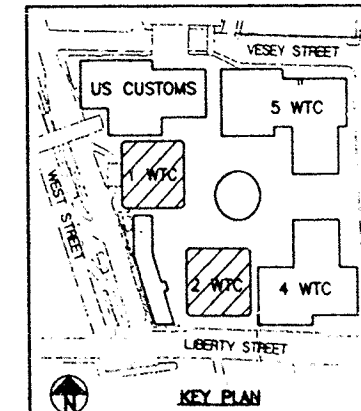


TSC-F CABINET BLOCK WIRING DIAGRAMS

NOT TO SCALE

NOTES:

- FINAL CONNECTIONS IN THE TSC CABINET SHALL BE MADE BY THIS CONTRACTOR. THE CONTRACTOR SHALL STRIP, SHRINK, SHAPE AND LABEL TO DESIGNATED TERMINAL TERMINATION WILL BE AS DIRECTED BY THE ENGINEER.



Sheet

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1 6/24/98 AS BID DC
No. Date Revision Approved

Engineering Department
Design Division
The World Trade
Center

TOWER 1
FLOOR 44
FIRE ALARM
TSC-F BLOCK
WIRING DIAGRAM

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

F.D. F.D. 4565.000
Designed by Drawn by JRLA JOB No.
4/27/98 P.E.N. NONE
Date Checked by Scale
Contract Number Drawing Number
WTC-857.090 F-1-44-4